

Minutes of 2007 Spring DPP Executive Committee Meeting

Hyatt Regency Riverfront Hotel, Jacksonville, Florida

Saturday, April 14, 2007

Members Present: Steve Allen, Amitava Bhattacharjee, Vincent Chan, Ron Cohen, Martin Greenwald, David Hammer, Ian Hutchinson, David Meyerhofer, Fred Skiff, Francois Waelbroeck, Ellen Zweibel

Members Absent: Ray Fonck, Melissa Douglas, Linda Sugiyama, Ed Synakowski

Guests: Donna Baudrau, Judy Franz, Greg Hammett, Rick Lee, Joseph Serene, Gene Sprouse, James Van Dam

DPP Administrator: Saralyn Stewart

1. Welcome remarks Chan
Vincent Chan called the meeting to order at 1:00 p.m.

2. Approval of the Minutes of the Executive Committee Meetings Allen
Sunday, October 29, 2006, Philadelphia, Pennsylvania

Motion (Hammer/Meyerhofer): To approve the Minutes of the DPP ExCom Meeting held in Philadelphia with one change in the spelling of Chris Deeney's name.

3. Chair's Report Chan

a. Review of Action Items

- DPP Members in Industry – 252, about 10%

- Distinguished Lecturer Program – Melissa and Rick Lee are working on this.

Action item: Chris Deeney will be asked to be a lecturer.

b. Task Force on the April Meeting – recommended to continue to (1) explore opportunities for joint meetings with other societies, (2) sponsor a yearly meeting organized principally by units traditionally associated with the April Meeting, (3) bear a name that evokes the main scientific motifs and engages public interest, among other suggestions.

Vincent Chan was a member of the APS Task Force. The full report is on this site:

<http://www.aps.org/publications/apsnews/200701/taskforce.cfm>

c. Sherwood 2008 meeting endorsement

Motion (Meyerhofer/Greenwald): DPP endorses Sherwood 2008 which will be held in Boulder, Colorado (March 29-April 2, 2008). Action: Passed.

d. Ray Orbach is invited to speak at the DPP annual meeting – invitation mailed March 2007 by DPP Chair, Vincent Chan.

Action item: Vincent will follow-up by contacting Mitchell Johns, Dr. Orbach's assistant.

e. Prize and Award Recipients Registration Fee Waivers – It is APS policy to waive the registration fee for prize and award recipients. In 2006 the Ph.D. Thesis award registration fee was paid by DPP. The Ph.D. Thesis award includes a \$500 travel allowance.

Motion (Hutchinson/Meyerhofer): It is DPP policy for the Maxwell Prize, the John Dawson Excellence Award, and the Ph.D. Thesis Award recipient's registration fee to be waived, and for the Ph.D. Thesis Award the travel expenses to be paid for, up to \$1,000. Action: Passed.

Judy Franz: "it is APS policy to waive the registration fee for each recipient of an APS award". As endowed awards the John Dawson Excellence Award and the Maxwell Prize have an allowance built in that allows for some money in to help cover travel expenses and certificate costs. If the institution of these awards is unable to pay travel and living expenses to attend the annual meeting presentation ceremony, the Society (DPP) will allocate a travel and living expense grant for the recipient.

The John Dawson Excellence Award is often given to several people, so there was concern about the cost of travel expenses to multiple recipients.

Action item: Vincent Chan will invite the APS President, Leo Kadanoff, to distribute the APS Awards at the DPP Annual Meeting in Orlando. Saralyn will draft the invitation for Vincent.

4. Secretary-Treasurer Report Allen
a. Financial Report

Action item: Keep the 2006 registration fees: \$385 members, \$505 nonmember, \$75 student. Allen will tell the Meetings Department.

1. Women's Lunch Cost in Orlando -The Women in Plasma Physics lunch meeting at the Rosen Centre is estimated to cost \$35 per person, including tax and gratuity. Typically 80 people attend the lunch.

Motion (Hutchinson/Waelbroeck): DPP will support the cost of the lunch charging \$25 per ticket, the students will pay \$10. This will be printed on the Pre-Registration Form. Action: Passed.

2. APS International Travel Grant Program: \$5K award

Vincent Chan has asked Herb Berk, and Herb agreed, to be the DPP representative on the APS International Travel Grant Award Program.

Action item: Vincent will request that APS add the ITER partners to the APS International Travel Grant Award Program. The ITER partners are European Union (represented by EURATOM), Japan, the People's Republic of China, India, the Republic of Korea, the Russian Federation and the USA.

3. Yearly APS Membership and Demographics

The DPP members total 2520 which is 5.44% of the total APS membership of 46,293.

5. Councilor Report Hammer

•Export Advisory Committee - to look at students from other countries using equipment like oscilloscopes.

•VISA Committee - The comprehensive immigration reform act of 2007 will be re-written to increase the number of alien science and technology, engineering, and math student visas to

green cards instead of H-1B visas. The 2008 quota for applications was exceeded by the end of the day on April 1, 2007.

- 2009 Year of Science – Participating organizations see 2009 as an opportunity to celebrate seminal events in the development of science. There will be large-scale education and outreach during this year. For more information go to: www.yearofscience2009.org

- AIP Prize for Industrial Applications of Physics – nominations are being solicited for this prize which is co-sponsored by General Motors Corporation and the American Institute of Physics. A call for nominations can be found on the APS website for the Forum on Industrial and Applied Physics. DPP has 252 current members in industry.

6. APS Executive Office

b. Treasurer

Joe Serene

Overall assets are about \$30M. Move to electronic folders, and contracts with vendors were negotiated. Result was decreased costs. Target is to make 5% of publication charges, about \$2.5M surplus per year. This past year returned \$6.5M. Some questions about how seriously we take this target. A proposal was presented to spend a portion of the surplus on education and outreach, but no suggestions came from units on ideas. Several ideas came from inside the Society, on the order of \$2.5M. One idea was APS getting involved in energy, energy efficiency, etc., and settle on a proposal to do a study on energy efficiency. APS has expertise and could make an impact. The goal is to finish before the next US administration. The surplus project was funded this year at about \$300K, with a total cost of \$800K. Another project would be to move the archives of the Bulletin to Physical Review Online Archive (PROLA). These had been scanned, but indexes need to be made. Roughly 40 years is still in paper form – spend \$280K to scan this missing data, and include authors. Several smaller projects include renovations in the DC and Maryland offices and hiring a new press secretary in the DC office.

APS is concerned about open access. The US represents less than 1/3 of the revenue, downloads, etc. of the publications, and it is not growing, so there is some insulation. The current cost (total revenue/number of papers) is about \$1500 per paper. The current “green” free to read is about \$1000, depending on the journal, less than the actual cost.

The ExCom discussed with Joe Serene, who will be responsible for the meeting costs if DPP doesn't meet as contracted in a given year? Who bears the financial responsibility? DPP maintains one to two-times the cost of an annual meeting.

c. Editor in Chief

Gene Sprouse

Action item: Chan and Hutchinson will ask Gene Sprouse for clarification of Physical Review E regarding not being appropriate for analytical or computer modeling without comparison to actual results in the case of plasma physics. (See Publication Committee Report 11.b.)

d. Status Report: Dawson Excellence Award and the Maxwell Prize

Logan

2007 is the first year that this award is called the John Dawson Excellence Award. As of January 31, 2007, there is \$59,672 in the APS fund for this Award. At 7% this will produce \$4,177 in interest, with an additional \$2,700 in annual income available from the UCLA

Dawson fund for a total of \$6877. This will pay the award stipend of \$5,000, the travel expenses, and the certificate cost.

In conjunction with this renaming, \$80,000 was transferred from the then over endowed Excellence in Plasma Physics to the Maxwell Prize which was funded on an annual basis by General Atomics. As of January 31, 2007, there is \$78,013 in the APS Prize fund. At 7% this will produce \$5,460 in interest. General Atomics will continue to fund the Prize at a level of \$5,300 annually providing a total of \$10,760. This will pay the prize stipend of \$10,000 and help pay a portion of the travel/certificate costs.

Action item: Vincent Chan will propose to APS to pay the Maxwell Prize out of operating funds until this prize is endowed.

7. Department of Energy

Chan

Written report from Steve Eckstrand. Ray Fonck has been appointed the Associate Director of the Fusion Energy Sciences Program of the Office of Science. Martin Greenwald is leading a Fusion Energy Sciences Advisory Committee panel on long term planning. It was noted that the OFES report did not include any mention of a joint program in high energy density laboratory physics.

Action item: Allan Hauer report on the status of the high energy density laboratory physics project at the next DPP ExCom Meeting in Orlando.

8. APS Meetings Department (20 min)

Baudrau

Future Meeting Sites

DPP2007 (*November 12-16, 2007, Orlando, Florida*)

DPP2008 (*November 17-21, 2008, Dallas, Texas*)

DPP2009 (*November 2-6, 2009, Atlanta, Georgia*)

DPP2010 (*November 8-12, 2010, Chicago, Illinois*)

DPP 2011 (*November 14-18, 2011, Salt Lake City, Utah*)

9. Prize and Awards Committee Reports

a. MNR Outstanding Doctoral Thesis Award

Goree

A conflict of interest was posed this year by the Chair of the Ph.D. Thesis Committee and a nominee from his own institution. The 2007 committee recommended that the best practices choose between two remedies: the chair fully steps down, or the conflicting nominee is deferred one year.

Motion (Meyerhofer/Bhattacharjee): We recommend that the Best Practices document for the Ph.D. Thesis Committee should clarify that if the chair of the Ph.D. Thesis Committee and a nominee are from the same institution the chair shall fully step down as chair, and the vice chair will take over as chair. Action: Passed.

b. Maxwell Prize

Mauel/Chan

Nominations were 2 in 2007, 5 in 2006, and 2 in 2005, this number of nominations this year is somewhat low.

Action item: How can DPP solicit more Maxwell Prize nominations?

c. John Dawson Excellence Award

Uckan

Nominations were 1 in 2007, 2 in 2006, and 4 in 2005. Propose that the Executive Committee get the word out that new nominees are needed in 2008. The 2007 committee recommends that the APS award procedures be modified for future years to require online electronic submission of nominations.

Action Item: DPP ExCom look for good invited talks in 2007 that could be potential nominations for any of the 2008 prize or awards.

Action item: Vincent Chan will invite the new prize and awards chairs to the DPP ExCom Meeting.

10. Nicholson Medal Status Report

Berk

The Nicholson Medal is fully endowed. The fund raising goal of over \$40K has been reached. We will follow the APS policy on travel for this award. Up to \$1,500 will be available for the recipient's travel expenses to the meeting at which the Medal is presented. It will be presented annually.

11. Additional Committee Reports

a. Nominating Committee

Surko

Nominations received: 5 for ExCom member, 2 for Vice Chair, and none for Secretary-Treasurer.

Action item: How can DPP solicit more ExCom election nominations?

b. Publication Committee

Gary

The Editors of Physical Review E continue to reject more papers without review. A somewhat controversial policy is that Editors are requiring that manuscripts submitted to PR-E demonstrate a correlation between theory/modeling and experiment in order to be accepted for publication. There was additional general discussion by the ExCom on the communication between APS and AIP journals and what topics are appropriate for various journals.

Note: See Action item under 6.c.

It is noted that almost all journals now have the capability to include movies as part of the refereeing process and as part of the Web-based publication process, and it is agreed that this capability should be better advertised to authors.

Two issues were discussed at the Publication Committee Meeting: (1) Publication of very similar papers in different journals appears to be a problem. (2) It appears that some large experimental groups are boycotting publication in Physical Review Letters because of the perception that it is too easy for referees from competing groups to block publication of manuscripts.

c. Fellowship Committee

Bhattacharjee

This committee received 20 new and 18 deferred nominations, for a total of 38. The entire nomination process, including last year's deferred nominations, will be done electronically for the first time—submission and voting. The rules are clear that nominators must be submitted electronically. Last year, our allocation was 9 regular and 4 alternate nominations for a total of 13. The number of foreign fellows is equal in number to the currently allocated alternate

nominations, provided there are a sufficient number of foreign candidates among the regular and alternate nominees who are recommended.

Charles Verdon, 2006 committee chair, and Amitava Bhattacharjee will work on revising the best practices report to include the new APS electronic procedures. It was noted that there were a number of women nominees this year.

Melissa Douglas went through the list of women in plasma physics members that received APS Fellowship and updated the list on the DPP web site.

d. Public Information Committee

Van Dam

Technical editorial duties will be contracted to Tom Gerrow again this year. This will be the third year the Committee will use his services. For reference the committee spent \$1,400 to APS in 2004, \$175 to Tom Gerrow in 2005, and \$285 to Tom Gerrow in 2006. The amount increased in 2006 because the Committee chair told Mr. Gerrow that his rates were too low for the quality and quantity of work that he did for DPP. The Best Practices report was submitted in October 2006.

12. Best Practices Committee

Greenwald

Collect best practices documents to help guide committees. About 9 out of 14 documents were obtained. The next step is to put them on a non-public page of the DPP website so the ExCom can review them. Eventually the reports should be moved to a public page. These reports should be living documents, but we should also maintain archived documents. The dates and tasks should be included in each document.

Action item: Martin Greenwald will send a reminder to the committee chairs who haven't submitted their Best Practices document.

13. Education and Outreach, and Plasma Physics Support

Rick Lee

- a. 2006 Philadelphia Summary
- b. 2007 Orlando Activities
- c. Undergraduate Poster Awards: Solicit Reviewers
- d. Distinguished Lecturer Program (2005-2007)
- e. Ad-hoc Planning Committee Members
- f. 2007 Estimated Budget

Report of Philadelphia meeting: had about 67 teachers, and no expo, but had classroom visits. Typically the University of Wisconsin orchestrates several classroom visits. The teachers in Philadelphia felt that because of transportation issues, the classroom visits would be best—about 11 visits with 1,200 or more students, which is comparable to an Expo.

There was a town meeting on Education—the INTEL science fair. A follow-on built-it style workshop was held in Philadelphia April 28, 2007.

Six undergraduate poster awards were presented out of 50 undergraduate and high school students presenting posters—5 undergraduate and 1 high school student.

Need a new slate for Distinguished Lecturer Program speakers. – The “support” has been a little spotty in this area, some years have been good, and other years have been not as good.

Chris Deeney from NNSA has been added to the list. APS is willing to print the advertising flier for a nominal cost. The last one printed was in 2005-2006. These fliers are mailed by APS to all colleges and universities in the US.

Action item: Francois Waelbroeck is willing to solicit new speakers for the DLP.

This year, DPP will have a full program at the APS meeting—i.e. a Plasma Science Expo, Teacher’s workshops, and undergraduate poster awards.

Action item: Rick Lee will find up to 6 judges for the undergraduate poster awards activity.

In 2006 DPP didn’t mail fundraising letters for the E&O program, but we will do a fundraiser for the Orlando meeting.

Action item: The Astronomy Society host a graduate student reception.

Action item: Connect Troy Carter with Rick Lee regarding junior scientist activities at the DPP annual meeting in Orlando.

14. Meetings: 49th Annual DPP (*November 12-16, Orlando, Florida*) Hutchinson

Action item: Ian Hutchinson will add new wording in the first announcement addressed to the abstract submitter “DPP expects that the first author to attend the conference and present the paper.”

a. Annual Meeting Initiatives

Mini-Conferences—none have been requested.

Town Meeting—intended to be an educational meeting not a technical session and of broad interest to the participants.

Proposed: NIF Opportunities in HED Laboratory Plasmas (submitted by Don Correll) 1 or 2 overview talks, followed by a panel of NIF users. Proposed as a lunch time or evening meeting. Defer to the program committee for scheduling.

Local Arrangements

Greenwald

Martin Greenwald is coordinating this activity. Ian, Martin, Saralyn, Vincent, and Rick Lee visited the Rosen Center yesterday, and the configuration of the meeting and hotel did not change relative to the 2002 annual meeting. Parts of the Rosen have been renovated. Wireless access is available, along with several options for meals.

b. Discretionary Funds:

Program and facilities—\$5K, Travel grants—\$5K, Pure discretionary—\$5K.

There was discussion about whether there should be the Marshall and Sara Rosenbluth Graduate Student Scholarship award again in 2007. This will be the third year such an award would be given to a graduate student.

Motion (Meyerhofer/Hammer): Approve \$15K for discretionary funds, but not earmark \$2K for the Marshall and Sara Rosenbluth graduate student scholarship award. Action: Passed.

Steve Allen led a short discussion regarding EPS-PPD papers and presentation at the EPS program committee meeting in Lausanne, Switzerland. EPS has different traditions from APS-DPP. EPS frequently accepts a topic but is selective regarding the person presenting said topic. DPP encourages nominations on a selected topic with a junior scientist giving the presentation.

There will be 2 invited magnetic fusion talks out of 8 suggestions. The DPP chair should request more information regarding guidelines of the selection process. It was suggested that the chair and program chair look through the submitted abstracts during the July sorters meeting for topic selection and presenters. The next EPS meeting will be held in Hersonissos, Crete, Greece, the week of June 9-13, 2008.

Another upcoming meeting is the 2008 International Congress on Plasma Physics (ICPP) to be held in Fukuoka, Japan the week of September 8-12, 2008. The abstract deadline is April 1, 2008. The year 2008 is marked by a history of plasma physics spanning 50 years since the Geneva Conference in 1958 and the dawn of space observations.

c. DPP Production Schedule

Stewart

A list of important 2007 annual meeting deadlines and ExCom election ballot dates were presented in a written report.

15. Summary: Establishment of DPP in the AAPPS

Takabe

A written report submitted by Hideaki Takabe on the initiation and establishment of a Division of Plasma Physics (DPP) in the Asia Pacific Physical Society (AAPPS). The membership represents 17 countries/regions and 18 physical societies with approximately 80,000 members. The goal is to learn who the members will be and to establish a plasma physics network in the Asia Pacific. The first meeting was held December 12-15, 2006 in Osaka, Japan. The website for this meeting is at: <http://www.aapps.org/announcement/Divisions.html>

16. Lunch with the Experts (*Monday, April 16, 2007*)

Hammett

On behalf of DPP, Greg Hammett will host a table at the traditional lunch with the experts during the APS April Meeting. Students are invited to participate at a complimentary lunch and ask questions. This event will be held on Monday. Greg has selected Fusion Energy and Plasma Turbulence as the topic for the lunch participants.

17. DPP Website Update

Stewart

Saralyn Stewart reported that the DPP website has been updated with current information and input from DPP members. While APS encourages all units to take advantage of their new site design, they will continue to support any unit that may wish to stay with their own site design.

Action item: Saralyn Stewart, Rick Lee, and Troy Carter will present a proposal at the ExCom meeting in Orlando of a re-design of the DPP website.

18. 2007 APS Unit Convocation and Capitol Hill Visits

Bhattacharjee

APS is targeting education and outreach activities and there may be money available for DPP. The American Competitive Initiative has bipartisan support. NSF and DOE budgets did fairly well with the continuing resolution.

Action item: Amitava Bhattacharjee will email Rick Lee to discuss Education and Outreach activities at the 2008 DPP Annual Meeting, using APS E&O targeted money.

19. April APS Meetings, 2008 and 2009

Bhattacharjee

2008-High Energy Density Physics and High Energy Density Laboratory Astrophysics community would like to join with the 2008 APS April meeting by organizing international technical sessions at the APS meeting, in St. Louis, Missouri. Four topics are: Astrophysics, high energy density nuclear physics, high energy density laboratory physics, and ultrafast laser science. The proposal is that there would be a kickoff international mini-conference on April 11, 2008. The APS April Meeting is April 12-15, 2008. The HEDP and HEDLA program committee to organize the sessions has not been selected.

Action item: Proposal to have the DPP past chair as the APS April Meeting representative, not the upcoming DPP program committee chair.

2009-Propose to have Sherwood join the April meeting in 2009 in Denver, Colorado. The meeting dates are May 2-5, 2009. This could establish a pattern of having the Sherwood meeting at the April meeting every third year.

20. 50th Anniversary Celebration of the DPP (2008, Dallas, Texas) Bhattacharjee
Amitava proposed to form an ad-hoc committee to organize a special session on Monday morning, the first day of the DPP meeting in 2008, which will cover all aspects of plasma physics over the past 50 years, summarizing the progress in the field.

Action item: Amitava will submit a proposed budget at the ExCom meeting in Orlando that will cover special costs for the DPP 50th Anniversary Meeting.

21. Other New Business Chan
David Meyerhofer commented on the fact that DPP is not only a magnetic fusion community (with respect to the letter to Ray Fonck).

22. Date for 2007 Fall Executive Committee Meeting Chan
Sunday, November 11, 2007, Rosen Centre Hotel, Orlando, Florida (*start time 10:00 a.m.*)

23. Adjourn at 10:47 PM.